Tubular Motor Control Panel User Manual TM5101-TM5108 TM5121-TM5128 A2

I. Specification

1 .Working voltage: 220VAC,110VAC 50HZ/60HZ
2. Loading capacity: 2HP，240VAC
3. Working frequency: 433.92MHz
4. Built-in fuse: electrocircuit (0.5A), motor (10A)
5 Temperature range: -20℃ to 60℃.
6,Code:Rolling code/Fixed code
7. Size: 113×74×44MM

Ⅱ. Safety Instruction

1.For security, please read the instructions carefully before initial operation; making sure that the power is off before connection.
2 .The received signal may be interfered by other communication devices. (e.g. the wireless control system with the same frequency range)
3. It is forbidden to control the high-risk coefficient equipment / system. (e.g. cranes)
4. It should be applied in dry indoor place or in the electric appliance place.

IV. Set up

1 Learning / memorizing transmitters:

Press the learning button on the panel,LED turns into red and gets into learning state;press the same button twice on the same transmitter,LED blinks for a while and turns into green shows transmitter has been learned successfully.

2. Erasing Transmitter：

Continue pressing the learning button (about 8s) until LED turns green then release the learning button, LED turns red (about 1s) then turns green. It indicates that the erasing process is successful

V: Operational process

5.1 Three button control system with transmitter

Button 1,2,3 in transmitter is in correspondence with open, close and stop.

5.2 Single button control system

Press-Open(motor works clockwise), press-stop, press-close(motor works anti clockwise),press-stop,and so on in a loop.Single-button control is only effective to the learned button; if a new button of transmitter learned into the control panel, the former one is useless. (e.g.: if learned button ① at first, and then button ② or ③, the former button ① becomes invalid).

5.3 Infrared sensor protection

It only work when door closing. Motor stops after 1 second and reverse when photocell signal disconnecting during door closing.

(External photocell PHOTO port connects photocell normally close switch)

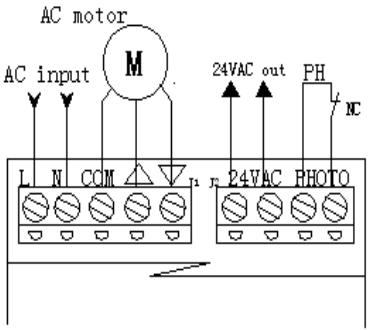
NOTE:

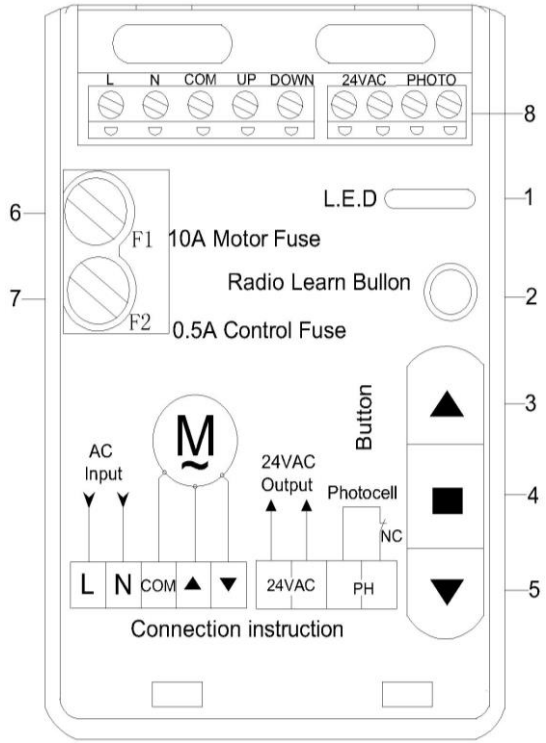
1. Single-button control refers to single button in transmitter; ▲ ■ ▼ in control panel is in correspondence with open, close and stop.
2. Max running time means that the motor's maximum running time at a time is 100S; the motor stops immediately if longer than 100S.
3. ▲ ■ ▼ in control panel and OPEN STOP CLOSE button in transmitter are in correspondence with open, close and stop.

III.Product picture

1.LED： Power,indicated light
2.Transmitter learning and deleting button
3，5. Open,close button
4.Stop button
6.Fuse： 10A
7.Fuse： 0.5A
8.terminal blocks

- L\N connects working power
- COM/▲/▼ connects motor
- Photo connects photocell NC switch
- 24VAC output 24V AC voltage

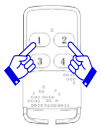




VI Model list

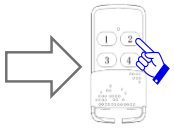
Model 220VAC	TM5101	TM5102	TM5103	TM5104	TM5105	TM5106	TM5107	TM5108
Model 110VAC	TM5121	TM5122	TM5123	TM5124	TM5125	TM5126	TM5127	TM5128
Frequency	433.92Mhz							
Code	Rolling code				fixed code			
Transmitter stored	30	30	300	300	60	60	600	600

VII Self learning: learning new remotes by old remotes



Old one

STEP 1:
Use the trasmitter that already has been learned as old transmitter, press button 1 and button 2 at the same time



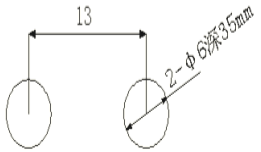
Old one

STEP2:
then press button 2 to let LED turns into red. New transmitter can be learned.

New one

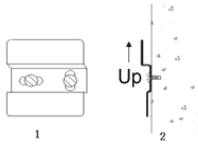
STEP3:
Press the same button on the new transmitter twice. The learning process done. In this way , new transmitter can be learned without pressing the learning button on the control board.

VIII. Installation Process



1 Drill

In the installation position,drill two ϕ6 holes with the depth of about 35mm and distance is 13mm.



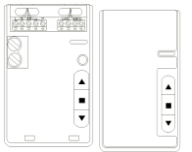
2.Install buckle

Fix the expansion screws, buckle and 4*25 screw on the wall; Note the direction of buckle, fix the deep side on top (as shown in picture 2)

3.Install panel

Fix the top side of buckle to the installation hole of the back of control panel, the other side of buckle is in close connection with outer surface.

4.Connection&install decorative covers



According to the connection instruction of control panel; when connecting, applied to the actual line circuit to choose the top or bottom holes of control panel;After checking there is no errors, install the decorative covers;Complete the installation.